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**From:** Wortman, Eric [Wortman.Eric@epa.gov]  
**Sent:** 1/24/2022 6:10:34 PM  
**To:** Howlett, Careyanne [Howlett.Careyanne@epa.gov]  
**Subject:** FW: [EXTERNAL] Electrification Estimates for the Massachusetts and Rhode Island Lease Areas

FYI – as part of our discussion tomorrow.

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**From:** MacDuffee, David T <David.MacDuffee@boem.gov>  
**Sent:** Sunday, January 23, 2022 7:40 PM  
**To:** Bird, Patrick <Bird.Patrick@epa.gov>; Morin, Michelle <Michelle.Morin@boem.gov>; Boatman, Mary C <Mary.Boatman@boem.gov>  
**Cc:** Wortman, Eric <Wortman.Eric@epa.gov>; Hamjian, Lynne <Hamjian.Lynne@epa.gov>  
**Subject:** RE: [EXTERNAL] Electrification Estimates for the Massachusetts and Rhode Island Lease Areas

Hi all,

We have been using 350 homes per MW for our calculation of homes powered. There is likely some variability in this estimate due to how efficient the turbines are, but that is the figure we currently use.

Thanks.

David MacDuffee  
Chief, Projects and Coordination Branch  
U.S. Department of the Interior  
Bureau of Ocean Energy Management  
Office of Renewable Energy Programs  
45600 Woodland Road  
Sterling, Virginia 20166  
Office: 703-787-1576

Ex. 6 Personal Privacy (PP)

[david.macduffee@boem.gov](mailto:david.macduffee@boem.gov)

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**From:** Bird, Patrick <Bird.Patrick@epa.gov>  
**Sent:** Wednesday, January 19, 2022 12:52 PM  
**To:** Morin, Michelle <Michelle.Morin@boem.gov>; Boatman, Mary C <Mary.Boatman@boem.gov>  
**Cc:** Wortman, Eric <Wortman.Eric@epa.gov>; Hamjian, Lynne <Hamjian.Lynne@epa.gov>; MacDuffee, David T <David.MacDuffee@boem.gov>  
**Subject:** RE: [EXTERNAL] Electrification Estimates for the Massachusetts and Rhode Island Lease Areas

Hi Michelle,

We were able to direct focus on the impacts from South Fork specifically, so our need for an answer on this is no longer pressing. We would however find it interesting to know the answer to the question. If you and your team are able to look into this over the next few days, we'd appreciate it. We also plan to do a little research on the question in-house.

Thanks,

Pat

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**From:** Morin, Michelle <Michelle.Morin@boem.gov>  
**Sent:** Wednesday, January 19, 2022 8:22 AM

**To:** Bird, Patrick <[Bird.Patrick@epa.gov](mailto:Bird.Patrick@epa.gov)>; Boatman, Mary C <[Mary.Boatman@boem.gov](mailto:Mary.Boatman@boem.gov)>  
**Cc:** Wortman, Eric <[Wortman.Eric@epa.gov](mailto:Wortman.Eric@epa.gov)>; Hamjian, Lynne <[Hamjian.Lynne@epa.gov](mailto:Hamjian.Lynne@epa.gov)>; MacDuffee, David T <[David.MacDuffee@boem.gov](mailto:David.MacDuffee@boem.gov)>  
**Subject:** Re: [EXTERNAL] Electrification Estimates for the Massachusetts and Rhode Island Lease Areas

Hello Pat,

I am looping in our Projects and Coordination Branch Chief, Dave MacDuffee. Dave would have the most up to date estimates for MWs and equivalent number of homes for the Northeast projects.

Thanks,  
Michelle Morin  
Chief, Environment Branch for Renewable Energy  
U.S. Department of the Interior  
Bureau of Ocean Energy Management  
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**Ex. 6 Personal Privacy (PP)**

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[michelle.morin@boem.gov](mailto:michelle.morin@boem.gov)

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**From:** Bird, Patrick <[Bird.Patrick@epa.gov](mailto:Bird.Patrick@epa.gov)>  
**Sent:** Wednesday, January 19, 2022 8:07 AM  
**To:** Boatman, Mary C <[Mary.Boatman@boem.gov](mailto:Mary.Boatman@boem.gov)>; Morin, Michelle <[Michelle.Morin@boem.gov](mailto:Michelle.Morin@boem.gov)>  
**Cc:** Wortman, Eric <[Wortman.Eric@epa.gov](mailto:Wortman.Eric@epa.gov)>; Hamjian, Lynne <[Hamjian.Lynne@epa.gov](mailto:Hamjian.Lynne@epa.gov)>  
**Subject:** [EXTERNAL] Electrification Estimates for the Massachusetts and Rhode Island Lease Areas

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Hi Mary and Michelle,

As news of our South Fork permit filters up through the Agency, we've been asked a few questions about the impacts of *all* offshore wind in the Massachusetts and Rhode Island lease areas. Based on projects that have made themselves known to EPA Region 1, we're estimating about 8,000 MW of installed capacity in the Massachusetts and Rhode Island lease areas. Do you all have any estimates on how many homes 8,000 MW of offshore wind would electrify?

Any assistance on this question would be greatly appreciated.

Pat

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